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SILVICULTURE STATISTICS

CROWN LANDS

1983-84

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TIMBER MANAGEMENT BRANCH
DEPARTMENT OF NATURAL RESOURCES
FREDERICTON, NEW BRUNSWICK

Minister: Hon. M. N. MacLeod

SILVICULTURE STATISTICS

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"Silviculture Statistics" is compiled annually by the Timber Management Branch of the New Brunswick Department of Natural Resources. Its purpose is to inform Departmental Staff and interested agencies of silviculture activities. Detailed records on each project are maintained at the Forest Region Headquarters with duplicate copies filed at the Timber Management Branch. Prior to 1982 the Department of Natural Resources carried out all Silviculture Activities on Crown Land. Under the revised Crown Lands and Forests Act in 1982 this responsibility was transferred to Licensees.

In 1983, scarification was carried out on 8 595 hectares using C&H plows, shark-finned barrels, disc trencher, bracke, letourneau crusher and marden rollers. A total of 50 hectares were control burned.

The three provincial forest nurseries produced 21 million coniferous seedlings. Of this total 19.4 million were shipped for planting on 9 120 hectares of Crown Land and the remaining 1.6 million were shipped to private landowners for reforestation or for Christmas Tree Stock.

Experimental plantations have been included in the total area planted but the costs of these plantations have not.

Plantation tending was carried out on 488 hectares, and 2 460 hectares of naturally regenerated burns and cutovers were pre-commercially thinned. Herbicides were used to control undesirable deciduous species on 5 584 hectares and on an additional 292 hectares herbiciding was used for site preparation.

Fertilizer was applied to 121 hectares of plantation. This was carried out by the Department of Natural Resources.

The cone collection program accounted for 16 623 litres of cones.

The following statistics pertain to these silviculture activities on Crown Land in New Brunswick during the 1983-1984 year.

PROVINCIAL SUMMARIES

TABLE 1 - PLANTING

LICENSEE	AREA (ha)	AVERAGE COST PER HECTARE	REIMBURSEMENT TO LICENSEE+	AVERAGE NO. OF SEEDLINGS/ HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)
Upsalquitch	912	187	170 201	2 402	2 191 000
Nepisiguit	1 120	184	206 090	2 342	2 623 000
Lower Miramichi	1 115[1]	188	209 312	2 268	2 529 000
Upper Miramichi	867	185	160 358	2 025	1 756 000
Kent	142	184	25 974	2 303	327 000
Queens-Charlotte	2 193	197	429 040	2 172	4 948 000
Fundy	747	203	151 932	2 048	530 000
York	624	190	118 626	2 189	1 366 000
Carleton	550	188	103 576	2 147	1 181 000
Restigouche-Tobique	824	184	148 893	2 169	1 787 000
Unlicensed Crown Land	26[2]	184	17 398	2 808	73 000
TOTALS	9 120	$183	1 741 400	2 214	20 311 000

+ Experimental planting not included in costs
1 There are 3 ha included in the total that were planted by DNR
2 There are 26 ha planted on unlicensed crown land

TABLE 2 - PRE-COMMERCIAL THINNING

LICENSEE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE
Upsalquitch	44	-	-
Nepisiguit	-	-	-
Lower Miramichi	218	271	59 175
Upper Miramichi	1 230	373	458 200
Kent	-	-	-
Queens-Charlotte	470	381	179 597
Fundy	110	522	57 394
York	-	-	-
Carleton	16	-	-
Restigouche-Tobique	332	517	172 097
Unlicensed Crown Land	40	861	34 442
TOTAL	2 460	$391	$960 905

TABLE 3 - MANUAL PLANTATION TENDING

LICENSE	REGION	AREA (ha)
Upsalquitch	1	2
Nepisiguit	1	69
Lower Miramichi	2	278
Upper Miramichi	-	-
Kent	-	-
Queens-Charlotte	4	20
Fundy	3	23
York	4	72
Restigouche-Tobique	5	24
TOTAL		488

TABLE 4 - HERBICIDING - PLANTATION TENDING

LICENSE	REGION	AREA (ha)	COST PER HECTARE	TOTAL COST
Upsalquitch	1	434	109	47 416
Nepisguit	1	644	118	75 971
Lower Miramichi	2	218	103	22 468
Upper Miramichi	1	67	105	7 108
Kent	-	-	-	-
Queens-Charlotte	4	549	85	46 457
Fundy	3	1 457	95	139 094
York	4	105	91	9 531
Carleton	5	70	67	4 699
Restigouche-Tobique	4	365	97	35 505
	5	1 675	74	124 284
TOTAL		5 584	$92	$512 443

TABLE 5 - HERBICIDING - SITE PREPARATION

LICENSE	REGION	AREA (ha)	COST PER HECTARE	TOTAL COST
Upsalquitch	-	-	-	-
Nepisguit	-	-	-	-
Lower Miramichi	-	-	-	-
Upper Miramichi	-	-	-	-
Kent	-	-	-	-
Queens-Charlotte	2	292	82	23 987
Fundy	-	-	-	-
York	-	-	-	-
Carleton	-	-	-	-
Restigouche-Tobique	-	-	-	-
TOTAL		292	$82	$23 987

TABLE 6 - FERTILIZATION

LICENSE	REGION	AREA (ha)
Queens-Charlotte	2	121
SUMMARY		121

* Fertilizing carred out by DNR

TABLE 7 - CONE COLLECTION

LICENSE	REGION	VOLUME OF CONES (litres)	COST PER LITRE	TOTAL COST
Upsalquitch	-	-	-	-
Nepisiguit	-	-	-	-
Lower Miramichi	1	12 365	0.93	11 525
Upper Miramichi	2	1 218	2.45	2 985
Kent	-	-	-	-
Queens-Charlotte	-	-	-	-
Fundy	-	-	-	-
York	-	-	-	-
Carleton	-	-	-	-
Restigouche-Tobique*	5	3 040	1.12	3 387
TOTAL		16 623	$1.08	$17 897

* Cone Collection occurred on Freehold land

LICENSE - UPSALQUITCH

TABLE I-1 - PLANTING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SPECIES	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
South Tetagouche	PP	45	184	8 280	bS	2 550	115 000	101 E038 83BP
Lower Tetagouche Lk.	PP	136	184	25 024	jP	2 586	352 000	101 E126 83BP
Jacquet River Lakes	PP	80	184	14 720	tL	2 200	176 000	101 F103 83BP
Rocky Brook*	PP	28	184	5 152	jP	2 255	63 000	101 F176 82BP
Akroyd Brook	BR[1]	85	202	17 170	bS	2 646	225 000	101 0J18 83BP
Akroyd Brook		2		370	bS	2 609	5 000	101 0J19 83BP
Akroyd Brook	BR	60	202	9 454	bS	2 609	157 000	101 0J19 83BP
Akroyd Brook	PP		184	2 484	bS			
Akroyd Brook	PP	160	184	29 400	bS	2 436	390 000	101 0J20 83BP
Akroyd Brook	PP	18	184	3 312	bS	2 363	43 000	101 0J49 83BP
North Charlo	PP	36	184	6 624	bS	2 600	94 000	101 0K06 83BP
North Charlo R.	PP	22	184	4 048	bS	2 880	63 000	101 0K07 83BP
North Charlo R.	PP	31	184	5 704	bS	2 400	74 400	101 0K11A83BP
North Charlo R.	PP	52	184	9 568	bS	2 485	87 000	101 0K11B83BP
Arsenault Brook*	PP	137	184	25 208	bS&jP	2 169	297 000	101 0K15 82BP
Whites Brook	PP[2]	20	184	3 643	jP	2 400	50 000	101 0L08 83BP
SUMMARY		912	$187	$170 201		2 402	2 191 000	

* These two plantations were planted in 1982, but are being considered as 1983 plantations, as they were paid for in 1983.

1 Bare root stock

2 Paper pot stock

TABLE I-2 - PRE-COMMERCIAL THINNING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SILVICULTURE TREATMENT NUMBER
Jerry Ferguson Brook	pre-commercial	8	1 769	14 151*	101 0003 83BT
McDougall Brook	pre-commercial	36	1 583	56 989*	101 0004 83BT
SUMMARY		44			

* These total costs are not reimbursements to the licensee. These two projects were government funded by Canada Manpower. These figures are not included on TABLE 2.

TABLE I-3 - PLANTATION TENDING

LOCATION	TYPE	AREA (ha)	SILVICULTUR TREATMENT NUMBER
Brown's Road*	Auto-manual	2	101 000 383EP (Experimental)
SUMMARY		2	

* Plantation Tending carried out by DNR

TABLE I-4 - HERBICIDING

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE kg/ha	SILVICULTURE TREATMENT NUMBER
Cook Savoie Bk.	Plantation Tending	76	91	6 932	Brush-rhap	2.2	101 0029 838H
Cook Savoie Bk.	Plantation Tending	156	127	19 764	Garlon	2.7	101 0030 838H
Black Top Mtn.	Plantation Tending	202	103	20 720	Brush-rhap	1.9	101 0038 838H
SUMMARY		434	$109	$47 416			

LICENSE - NEPISIGUIT

TABLE II-1 - PLANTING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SPECIES	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Nepisguit River	CON	101	184	18 584	bS	2 400	242 000	102 B026 83BP
Gordon Meadow Bk.	CON	44	184	8 096	jP	2 600	114 000	102 B029 83BP
Gordon Meadow Bk.	CON	22	184	4 048	jP	2 00	57 000	102 B030 83BP
Gilmour Bk.	CON	3	184	552	La	2 600	8 000	102 B031 83BP
Anacanda Mins	CON	129	184	23 736	bS	2 300	297 000	102 D044 83BP
S. Forty Four Bk.	CON	71	184	13 064	bS	2 400	170 000	102 D047 83BP
S. Br. Forty Mi.Bk.	CON	40	184	7 360	jP	2 200	88 000	102 D049 83BP
S. Forty Four Bk.	CON	44	184	8 096	bS	2 300	101 000	102 D050 83BP
S. Br. Forty Mi.Bk.	CON	75	184	13 800	jP	2 350	176 000	102 D051 83BP
California Lake	CON	20	184	3 680	bS	1 900	38 000	102 D073 83BP
Forty Mile Bk.	CON	90	184	16 560	bS	2 300	207 000	102 D094 83BP
Wildcat Road	CON	122	184	22 448	bS	2 500	305 000	102 E005 83BP
Lucky Lake	CON[3]	108	184	19 882	bS	2 300	248 000	102 E007 83BP
Wildcat Road	CON	25	184	4 600	bS	2 400	60 000	102 E038 83BP
Arseneault Road	CON	42	184	7 728	bS	2 600	109 000	102 E081 83BP
Arseneault Road	CON	51	184	9 384	bS	2 300	117 000	102 E082 83BP
Arsenault Loop	CON	31	184	5 704	bS	2 300	71 000	102 E223 83BP
Middle River	CON	12	184	2 208	bS	2 150	26 000	102 E225 83BP
Rock Lake	CON	90	184	16 560	jP	2 100	189 000	102 H006 83BP
SUMMARY		1 120	$184	$206 090		2 342	2 623 000	

3 Container Stock

TABLE II-2 - PLANTATION TENDING

LOCATION	TYPE	AREA (ha)	SILVICULTURE TREATMENT NUMBER
Nine Mile Brook	Motor-manual	41	102 0001 83BC
Pabineau Brook	Motor-manual	10	102 0002 83BC
Caribou Brook*	Auto-manual	18	102 0005 83EC (Experimental)
SUMMARY		69	

* Plantaton Tending carried out by DNR

TABLE II-3 - HERBICIDING

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE kg/ha	SILVICULTURE TREATMENT NUMBER
Bass River	Plantation Tending	13	107	1 391	Brush-rhap	2.1	102 0031 83BH
Gordon Meadow Bk.	Plantation Tending	72	105	7 542	Brush-rhap	2.0	102 0032 83BH
Mini Culvert	Plantation Tending	86	120	10 310	Brush-rhap	1.8	102 0033 83BH
Rogers Lake	Plantation Tending	54	105	5 646	Brush-rhap	2.0	102 0034 83BH
Pabineau Ext.	Plantation Tending	85	141	12 012	Brush-rhap	2.0	102 0035 83BH
Rio Rd.	Plantation Tending	40	126	5 053	Brush-rhap	2.9	102 0036 83BH
Little River	Plantation Tending	87	122	10 647	Brush-rhap	2.8	102 0037 83BH
Forty Four Mi. Bk.	Plantation Tending	146	106	15 580	Brush-rhap	2.0	102 0039 83BH
Anaconda Mines	Plantation Tending	44	129	5 789	Brush-rhap	3.6	102 0040 83BH
Luck Lake	Plantation Tending	15	133	2 001	Brush-rhap	1.7	102 0041 83BH
SUMMARY		644	$118	$75 971			

LICENSE - LOWER MIRAMICHI

TABLE III-1 - PLANTING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SPECIES	AVE. NUMBER OF SEEDLINGS	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Portage River Rd*	PP	2	Experimental		jP	2 750	4 000	203 0001 83EP
Portage River Rd*	PP	1	Experimental		bS	2 880	3 000	203 0001 83EP
Blackville Tower	PP	49	184		jP	2 069	101 000	203 0060 83BP
Shore Camp Bk.	BR	7	202		bS	2 600	18 000	203 0329 83BP
Shore Camp Bk.	PP	102	184		bS	2 000	204 000	203 0330 83BP
Shore Camp Bk.	BR	39	202		bS	2 467	96 000	203 0331 83BP
Shore Camp Bk.	BR	19	202	50 290	bS	2 222	42 000	203 0332 83BP
Shore Camp Bk.	PP&BR	47			bS	2 267	107 000	203 0333 83BP
Shore Camp Bk.	PP	20	184		bS	2 125	42 000	203 0334 83BP
Shore Camp Bk.	PP	33	184		bS	2 500	82 000	203 0335 83BP
Otter & Redstone Bk.	BR	76	202	15 416	jP&bS	2 255	171 000	203 0336 83BP
Otter & Redstone Bk.	BR	77	202	15 662	jP	2 634	203 000	203 0337 83BP
Otter & Redstone Bk.	BR	79	202	15 908	jP	2 067	163 000	203 0338 83BP
Black Brook	PP	77	184		bS	2 642	203 000	203 0339 83BP
Black Brook	PP	15	184	22 496	bS	2 059	31 000	203 0340 83BP
Black Brook	PP	31	184		bS	2 059	64 000	203 0341 83BP
Blackville Tower	PP	27	184		jP	2 090	56 000	203 0342 83BP
Blackville Tower	PP	44	184		jP	2 428	107 000	203 0343 83BP
Blackville Tower	PP	23	184	39 833	jP	2 210	51 000	203 0344 83BP
Blackville Tower	PP	47	184		jP	2 148	101 000	203 0345 83BP
Blackville Tower	PP	28	184		jP	2 700	76 000	203 0346 83BP
Blackville Tower	PP	41	184	7 491	jP	2 000	82 000	203 0347 83BP
Blackville Tower	PP	45	184	23 028	jP	2 312	104 000	203 0348 83BP
Blackville Tower	PP	81	184		jP	2 348	190 000	203 0349 83BP
Blackville Tower	PP	9	184	1 646	jP	2 400	22 000	203 0350 83BP
Blackville Tower	PP	19	184		jP	2 429	46 000	203 0351 83BP

TABLE III-1 - PLANTING (cont'd)

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SPECIES	AVE. NUMBER OF SEEDLINGS	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Blackville Tower	PP	11	184		jP	2 067	23 000	203 0352 83BP
Blackville Tower	PP	21	184	17 542	jP	2 067	43 000	203 0353 83BP
Blackville Tower	PP	7	184		jP	2 000	14 000	203 0354 83BP
Blackville Tower	PP	13	184		jP	2 000	26 000	203 0355 83BP
Blackville Tower	PP	25	184		jP	2 143	54 000	203 0356 83BP
SUMMARY		1 115	$188	$209 312		2 268	2 529 000	

* Experimental Planting carried out by DNR - 3 ha planted which accounts for the difference from The Basic Silviculture Activities By License, Comparison of Output Data, G. McLeod

TABLE III-2 - PRE-COMMERCIAL THINNING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SILVICULTURE TREATMENT NUMBER
East Sabbies R.	Pre-commercial	4	358		203 0119 83BT
East Sabbies R.	Pre-commercial	26	358	17 545	203 0147 83BT
Despres Lake	Pre-commercial	13	358	4 640	203 0300 83BT
West Sabbies R.	Pre-commercial	41	358	14 790	203 0301 83BT
Blackville Tower	Pre-commercial	8	358		203 0302 83BT
Blackville Tower	Pre-commercial	57	185	18 300	203 0303 83BT
Blackville Tower	Pre-commercial	23	185		203 0305 83BT
Blackville Tower	Pre-commercial	11	358		203 0306 83BT
Black Brook	Pre-commercial	19	185		203 0307 83BT
Ryan Brook	Pre-commercial	16	358	3 900	203 0308 83BT
SUMMARY		218	$271	$59 175	

TABLE III-3 - PLANTATION TENDING

LOCATION	TYPE	AREA (ha)	SILVICULTURE TREATMENT NUMBER
Cold Brook	Motor-manual	51	203 1201 83BC
Cold Brook	Motor-manual	127	203 1202 83BC
Near Black Bk. Lk.	Motor-manual	40	203 1203 83BC
Pisiguit Brook	Motor-manual	60	203 1204 83BC
SUMMARY		278	

TABLE III-4 - HERBICIDING

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE kg/ha	SILVICULTURE TREATMENT NUMBER
Peabody Lake	Plantation Tending	218	103	22 468	Brush-rhap	2.2	203 0042 83BH
SUMMARY		218	$103	$22 468			

TABLE III-5 - CONE COLLECTION

LOCATION	SPECIES	VOLUME OF CONES (litres)	COST PER LITRE	TOTAL COST	SILVICULTURE TREATMENT NUMBER
Meadow Brook	jP	12 365	0.93	12 365	203 0001 83SC
SUMMARY		12 365	$0.93	$12 365	

LICENSE - UPPER MIRAMICHI

TABLE IV-1 - PLANTING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SPECIES	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Big South	BR	41	202	8 282	jP	1 845	76 000	104 0510 83BP
Big South	CON	117	184	21 528	jP,rP,bS	1 845	216 000	104 0510 83BP
Bartibog	CON	72	184		jP&bS	2 020	145 000	204 0005 83BP
Tomoganops	CON	49	184	9 016	jP	2 112	103 000	204 0008 83BP
Portage River	CON	28	184	5 152	jP	2 000	56 000	204 0008 83BP
Bartibog	CON	180	184		jP&bS	2 020	364 000	204 0500 83BP
Lee Brook	CON	49	184	9 016	jP	2 094	103 000	204 0501 83BP
Lee Brook	CON	145	184	26 680	jP&bS	2 038	296 000	204 0501 83BP
McKendrick Lk.	CON	40	184	7 452	jP	2 458	101 000	204 0502 83BP
Portage River	PP	64	184	11 776	jP	1 998	128 000	204 0503 83BP
Portage River	PP	82	184	15 088	rP	2 079	170 000	204 0503 83BP
SUMMARY		867	$185	$160 358		2 025	1 756 000	

TABLE IV-2 - PRE-COMMERCIAL THINNING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SILVICULTURE TREATMENT NUMBER
Mullin Stream Lake	Pre-commercial	25	358	8 950	204 0506 83BT
Little River	Pre-commercial	64	185	11 850	204 0511 83BT
Little River	Pre-commercial	119	247	29 300	204 0511 83BT
Little River	Pre-commercial	158	358	56 550	204 0511 83BT
Barracks Brook	Pre-commercial	2	358	580	204 0512 83BT
Mullin Stream	Pre-commercial	93	358	33 495	204 0512 83BT
Travis Brook	Pre-commercial	28	358	10 005	204 0512 83BT
Mullin Stream	Pre-commercial	2	506	1 230	204 0512 83BT
Travis Brook	Pre-commercial	33	506	16 605	204 0512 83BT
Mullin Stream	Pre-commercial	88	358	31 331	204 0513 83BT
Mullin Stream	Pre-commercial	59	506	30 135	204 0513 83BT
Nepisiguit Brook	Pre-commercial	67	247	16 549	204 0514 83BT
Nepisiguit Brook	Pre-commercial	60	358	21 480	204 0514 83BT
McCormack Lake	Pre-commercial	20	358	7 250	204 0515 83BT
McCormack Lake	Pre-commercial	274	506	138 580	204 0515 83BT
Devils Brook	Pre-commercial	83	358	29 870	204 0540 83BT
Devils Brook	Pre-commercial	16	506	8 200	204 0540 83BT
Green Brook	Pre-commercial	39	161	6 240	204 0540 83BT
SUMMARY		1 230	$373	$458 200	

TABLE IV-3 - HERBICIDING

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE kg/ha	SILVICULTURE TREATMENT NUMBER
Gordon Meadow Bk.	Plantation Tending	67	105	7 018	Brush-rhap	2.0	104 0032 83BH
SUMMARY		67	$105	7 018			

TABLE IV-4 - CONE COLLECTION

LOCATION	SPECIES	VOLUME OF CONES (litres)	COST PER LITRE	TOTAL COST	SILVICULTURE TREATMENT NUMBER
Dungarvan Burn	jP	1 218	2.45	2 985	104 0002 83SC
SUMMARY		1 218	$2.45	$2 985	

LICENSE - KENT

TABLE V-1 - PLANTING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SPECIES	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Desherbiers Rd.	CON	6	184	1 110	bS&jP	2 345	14 000	205 0202 83BP
Desherbiers Rd.	CON	5	184	888	bS&jp	2 345	12 000	205 0202 83BP
Burnt Camp Bk. Burn	CON	30	184	5 402	bS	2 276	68 000	205 0203 83BP
St. Joseph Area	CON	50	184	9 102	bS&jP	2 444	122 000	205 0204 83BP
St. Joseph Area	CON	6	184	1 184	bS	2 667	16 000	205 0205 83BP
Bass River	CON	39	184	7 178	jP	2 115	82 000	205 0206 83BP
Burnt Camp Bk. Burn	CON	5	184	888	jP	2 000	10 000	205 0207 83BP
Burnt Camp Bk. Burn	CON	1	184	222	jP	2 800	3 000	205 0208 83BP
		142	$184	$25 974		2 303	327 000	

LICENSE - QUEENS CHARLOTTE

TABLE VI-1 - PLANTING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SPECIES	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Burntland Bk.	PP	11	184	2 042	jP	2 091	23 000	206 9972 83BP
Rock Rd. Gordon Bk. Blue	PP	83	184	15 096	jP	2 300	191 000	206 9989 83BP
Watham Bk.	BR	6	202	1 312	bS	1 976	399 000	206 9990 83BP
E. Leighton Bk.	PP&BR	19		3 226	jP&bS	1 697	32 000	206 9991 83BP
Wildcat Bk.	BR	56	202	12 304	wS	1 934	108 000	206 9992 83BP
Otter Bk. Rd.	PP	80	184	14 702	jP&bS	2 230	178 000	206 9993 83BP
Burntland Bk.	PP	23	184	4 232	jP&bS	2 324	53 000	206 9994 83BP
Leighton Bk.	BR	29	202	5 904	bS	2 090	61 000	206 9998 83BP
Leighton Bk.	PP	92	184	16 872	jP	2 090	192 000	206 9998 83BP
Leighton Bk.	PP	47	184	8 119	bS	2 090	98 000	206 9998 83BP
Cains River*	PP		Experimental		jP		1 000	306 0002 83EP
Bartibog*	PP		Experimental		bS			306 0002 83EP
McKinley Bk.	BR	76	242	18 424	wS	1 954	149 000	306 9987 83BP
McKinley Bk.	BR	37	202	7 544	wS	1 954	72 000	306 9987 83BP
McKinley Bk.	BR	2	202	4 100	wS	1 954	4 000	306 9987 83BP
McKinley Bk.	BR	18	202		bS	1 954	35 000	306 9987 83BP
McKinley Bk.	BR	25	202	4 348	wS&bS	1 954	49 000	306 9987 83BP
Bronson	PP	85	184	15 466	jp	2 019	172 000	306 9988 83BP
Bronson	PP	19	184	3 552	jP	2 019	38 000	306 9988 83BP
Bronson	PP	9	184	1 702	bS	2 019	18 000	306 9988 83BP
Hazen Jam	BR	73	202	14 842	jP	2 019	147 000	306 9988 83BP
Hazen Jam	PP	2	184	370	jP	2 019	4 000	306 9988 83BP
Bronson	PP	125	184	22 792	bS	2 019	252 000	306 9988 83BP
Hazen Jam	PP	154	184	28 194	jP	2 019	311 000	306 9988 83BP
Horton Lake	BR&PP	23		4 055	jP	2 019	46 000	306 9988 83BP
Hazen Jam	BR	75	202	14 392	bS	2 019	151 000	306 9988 83BP

TABLE VI-1 - PLANTING (cont'd)

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SPECIES	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Gundy Lake	BR	88	242	21 335	wS	2 087	184 000	406 0009 83BP
West Long Lake	BR	14	202	2 780	bS	2 319	32 000	406 0025 83BP
N. of West Long Lk.	BR	2	202	451	wS&bS	2 319	5 000	406 0025 83BP
N. of West Long Lk.	BR	9	242	2 156	wS	2 319	21 000	406 0025 83BP
N. of West Long Lk.	BR	10	202	1 943	wS&bS	2 319	23 000	406 0025 83BP
Wellington Lake	PP	10	242	1 877	bS	2 285	23 000	406 0028 83BP
Wellington Lake	BR	22	242	5 194	wS	2 285	50 000	406 0028 83BP
Wellington Lake	BR	11	242	2 744	wS	2 250	25 000	406 0029 83BP
South West Long Lk.	PP	11	184	2 072	bS	2 001	22 000	406 9920 83BP
South West Long Lk.	PP	25	184	4 588	jP	2 001	50 000	406 9920 83BP
S.E. West Long Lk.	PP	10	184	1 850	jP	2 025	20 000	406 9938 83BP
S.E. West Long Lk.	BR	3	202	574	bS	2 025	6 000	406 9938 83BP
S.E. West Long Lk.	PP	124	184	22 718	bS	2 025	251 000	406 9938 83BP
Pleasant Ridge	PP	57	184	10 478	bS	1 976	113 000	406 9939 83BP
Pleasant Ridge	PP	106	184	19 314	bS	2 161	229 000	406 9940 83BP
Pleasant Ridge	PP	10	184	1 850	jP	2 050	20 000	406 9941 83BP
Pleasant Ridge	BR	75	202	15 170	bS	2 050	154 000	406 9941 83BP
N. of Gundy Lake	PP	5	242	962	jP	1 927	10 000	406 9943 83BP
Deadwater Brook	BR	17	202	3 518	wS	2 025	34 000	406 9944 83BP
Deadwater Brook	BR	4	202	738	bS	2 025	8 000	406 9944 83BP
S. of S. Oromocto Lk.	BR	16	202	3 198	wS&jP	2 331	37 000	406 9945 83BP
South Oromocto Lk.	PP	7	184	1 199	jP	2 331	16 000	406 9945 83BP
South Oromocto Lk.	BR	8	202	1 681	wS	2 331	19 000	406 9945 83BP
South Oromocto Lk.	BR	2	242	490	wS	2 331	5 000	406 9945 83BP
South Oromocto Lk.	BR	26	202	5 355	jP	2 331	61 000	406 9945 83BP
South Oromocto Lk.	Br	5	202	984	bS	2 331	12 000	406 9945 83BP
Wellington Lake	BR	27	202	5 412	wS&bS	2 403	65 000	406 9946 83BP

TABLE VI-1 - PLANTING (cont'd)

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SPECIES	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Pocologan Lakes	BR	97	202	19 557	wS&bS	2 075	201 000	406 9947 83BP
Anthony, Willington & Rocky Lks.	BR	31	242	7 399	wS	2 075	64 000	406 9947 83BP
	BR	62	202	12 579	jP	2 075	129 000	406 9947 83BP
	BR	13	202	2 706	bS	2 075	27 000	406 9947 83BP
Mine Crutch	BR	15	242	3 597	wS	1 961	29 000	406 9948 83BP
Shin Creek Rd.	BR	4	202	738	wS	1 961	8 000	406 9948 83BP
Shin Creek	PP	54	184	9 820	jP	2 339	126 000	406 9949 83BP
Antonio Lake	PP	21	184	3 774	bS	1 934	41 000	406 9950 83BP
Antonio Lake	BR	23	202	4 649	bS	1 934	44 000	406 9950 83BP
SUMMARY		2 193	$197	429 040		2 172	4 948 000	

* Planting carried out by DNR

TABLE VI-2 - PRE-COMMERCIAL THINNING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SILVICULTURE TREATMENT NUMBER
Muzroll Lake	Pre-commercial	198	358	71 050	206 9974 83BT
Muzroll Lake	Pre-commercial	75	358	26 970	206 9974 83BT
Petipas Bk.	Pre-commercial	17	506	8 897	306 9925 83BT (3A)
Stony Brook	Pre-commercial	10	358	3 582	306 9926 83BT
Stony Brook	Pre-commercial	11	358	3 915	306 9926 83BT
Stony Brook	Pre-commercial	14	358	5 002	306 9926 83BT
Stony Brook	Pre-commercial	6	358	2 291	306 9926 83BT
Stony Brook	Pre-commercial	6	506	3 280	306 9926 83BT
Stony Brook	Pre-commercial	18	247	4 420	306 9926 83BT
Horton Brook	Pre-commercial	20	358	7 308	306 9973 83BT
Horton Brook	Pre-commercial	9	358	3 146	306 9973 83BT
Horton Brook	Pre-commercial	9	506	4 510	306 9973 83BT
Horton Brook	Pre-commercial	8	358	2 726	306 9973 83BT
Horton Brook	Pre-commercial	11	506	5 514	306 9973 83BT
Bronson Area	Pre-commercial	3	358	1 146	306 9973 83BT
Bronson Area	Pre-commercial	4	506	1 822	306 9973 83BT
Shin Creek	Pre-commercial	18	506	9 041	406 8989 83BT
Shin Creek	Pre-commercial	23	506	11 439	406 8989 83BT
Shin Creek	Pre-commercial	10	358	3 538	406 8989 83BT
SUMMARY		470	$381	$179 597	

TABLE VI-3 - PLANTATION TENDING

LOCATION	TYPE	AREA (ha)	SILVICULTURE TREATMENT NUMBER
Pleasant Ridge*	Auto-manual	20	406 9966 838C (Experimental)
SUMMARY		20	

* Plantation Tending carried out by DNR

TABLE VI-4 - HERBICIDING

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE kg/ha	SILVICULTURE TREATMENT NUMBER
Muzroll Lake	Site Preparation	69	73	5 064	Brush-rhap	1.7	206 8831 83BH
North Cains	Site Preparation	51	91	4 646	Brush-rhap	2.2	206 8833 83BH
Burntland Brook	Site Preparation	91	73	6 670	Brush-rhap	1.7	206 8834 83BH
Otter Brook	Site Preparation	20	113	2 267	Brush-rhap	3.4	206 8835 83BH
Cains River	Site Preparation	61	88	5 340	Brush-rhap	2.4	206 8836 83BH
Perley Brook	Plantation Tending	353	88	30 917	Brush-rhap	2.4	406 8827 83BH
Kedron Brook	Plantation Tending	196	79	15 540	Brush-rhap	1.9	406 8828 83BH
SUMMARY		841	$84	$70 444			

TABLE VI-5 - FERTILIZATION

LOCATION	AREA (ha)	TOTAL COST	FERTILIZER	SPECIES	SILVICULTURE TREATMENT NUMBER
Otter Brook*	121	9 414	Urea 46% N		206 0001 83BF
SUMMARY	121	$9 414			

* Fertilizing carried out by DNR

LICENSE - FUNDY

TABLE VII-1 - PLANTING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SPECIES	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Little Salmon R.	BR	103	202	20 869	jP	2 018	208 000	307 0007 83BP
Little Salmon R.	BR	26	202	5 215	jP	2 018	52 000	307 0007 83BP
Felix Brook	BR	108	242	21 816	wS	1 437	155 000	307 0062 83BP
Goose Creek	BR	147	242	35 643	wS	2 117	311 000	307 0066 83BP
Goggin Road	BR	40	202	7 030	jP	1 818	73 000	307 0068 83BP
New Scotland Rd.	PP	14	184	2 516	jP	2 178	30 000	307 9988 83BP
New Scotland Rd.	PP	55	184	10 064	jP	2 178	120 000	307 9988 83BP
Adamsville	PP&BR	76		13 284	bS&jP	1 635	124 000	307 9991 83BP
Marrtown	BR	121	202	24 600	eL or jP	2 697	329 000	307 9992 83BP
Marrtown	BR	30	202	6 150	eL or jP	2 697	81 000	307 9992 83BP
Hubert	BR	27	202	4 745	bS	1 818	49 000	307 9996 83BP
SUMMARY		747	$203	$151 932		2 048	1 530 000	

TABLE VII-2 - PER-COMMERCIAL THINNING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SILVICULTURE TREATMENT NUMBER
Kent Road	Pre-commercial	24	605	14 626	307 9901 83BT
Head of West River	Pre-commercial	4	605	2 156	307 9902 83BT
Duffys Millstream	Pre-commercial	5	506	2 768	307 9903 83BT
West River	Pre-commercial	10	605	6 101	307 9905 83BT
South of Kent Road	Pre-commercial	1.5	605	955	307 9978 83BT
South of Kent Road	Pre-commercial	0.5	605	294	307 9978 83BT
Barrett Road	Pre-commercial	15	605	8 894	307 9980 83BT
Anderson Road	Pre-commercial	4	605	2 450	407 9976 83BT
Zionville	Pre-commercial	24	506	12 300	407 9975 83BT
Zionville	Pre-commercial	7	185	1 200	407 9975 83BT
Zionville	Pre-commercial	5	247	1 100	407 9975 83BT
Zionville	Pre-commercial	5	358	1 885	407 9975 83BT
Zionville	Pre-commercial	5	506	2 665	407 9975 83BT
SUMMARY		110	$522	$57 394	

TABLE VII-3 - PLANTATION TENDING

LOCATION	TYPE	AREA (ha)	SILVICULTURE TREATMENT NUMBER
Marrtown*	Auto-manual	3	307 0003 83BC (Experimental)
Pointe Wolfe R.*	Auto-manual	20	307 0005 83BC (Experimental)
SUMMARY		23	

* Plantation Tending carried out by DNR

TABLE VII-4 - HERBICIDING

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE kg/ha	SILVICULTURE TREATMENT NUMBER
Fundy	Plantation Tending	1 085	91	98 311	Brush-rhap	2.5	307 9981 83BH
Shepody Rd.	Plantation Tending	170	105	17 881	Brush-rhap	3.1	307 9982 83BH
Miller Brook	Plantation Tending	158	125	19 702	Brush-rhap	1.5	307 9984 83BH
Coles Island	Plantation Tending	44	73	3 200	Brush-rhap	1.6	307 9985 83BH
SUMMARY		1 457	$95	$139 094			

LICENSE - YORK

TABLE VIII-1 - PLANTING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SPECIES	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Long Reach	BR	140	202	28 454	bS	2 297	322 000	408 1005 83BP
Big Brook	BR	87	202	17 548	bS	2 125	185 000	408 1006 83BP
Big Brook	PP	187	184	34 114	bS	2 125	397 000	408 1006 83BP
Williamsburg	PP	88	184	16 132	bS	2 150	189 000	408 1007 83BP
Dinnen Woods	PP	66	184	12 092	bS	2 213	146 000	408 1008 83BP
McLean Bk	PP	56	184	10 286	bS	2 269	127 000	408 1009 83BP
SUMMARY		624	$190	$118 626		2 189	1 366 000	

TABLE VIII-2 - PLANTATION TENDING

LOCATION	TYPE	AREA (ha)	SILVICULTURE TREATMENT NUMBER
Biggar Brook*	Auto-manual	2	408 0003 83BC (Experimental)
Hurlett	Auto-manual	70	408 1030 83LC
SUMMARY		72	

* Plantation Tending carried out by DNR

TABLE VIII-3 - HERBICIDING

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE kg/ha	SILVICULTURE TREATMENT NUMBER
Tinkettle Brook	Plantation Tending	105	91	9 531	Brush-rhap	2.5	408 1032 83BH
SUMMARY		105	$91	$9 531			

LICENSE - CARLETON

TABLE IX-1 - PLANTING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SPECIES	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Gorby Gulch	PP	79	184	14 441	bS	2 063	163 000	409 9001 83BP
Gorby Gulch	PP	21	184	3 774	jP	2 016	42 000	409 9002 83BP
Gorby Gulch	PP	2	184	444	bS	2 127	4 000	409 9002 83BP
Gorby Gulch	PP	36	184	6 580	jP	2 095	75 000	409 9003 83BP
Ryan Brook B.	BR	47	202	9 512	bS	2 066	97 000	409 9004 83BP
Ryan Brook B.	PP	18	184	3 293	bS	2 066	37 000	409 9004 83BP
Ryan Brook B.	PP	48	184	8 766	jP	2 193	105 000	409 9004 83BP
Shikatehawk	PP	169	184	30 945	jP	2 122	359 000	409 9005 83BP
Gorby Gulch	PP	23	184	4 149	bS	2 132	49 000	409 9006 83BP
Ryan Brook C.	BR	55	202	11 140	bS	2 122	117 000	409 9007 83BP
Ryan Brook A.	BR	52	202	10 532	bS	2 564	133 000	409 9008 83BP
SUMMARY		550	$188	$103 576		2 147	1 181 000	

TABLE IX-2 - PRE-COMMERCIAL THINNING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SILVICULTURE TREATMENT NUMBER
Teague Brook	Pre-commercial	16			409 0001 83BT
SUMMARY		16			

* Cost figures are not available as this project was funded through Juniper Lumber by a UIC Job Creation Project.

TABLE IX-3 - HERBICIDING

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE kg/ha	SILVICULTURE TREATMENT NUMBER
Blowdown Brook	Plantation Tending	280	98	27 576	Brush-rhap	2.8	409 0020 83BH
Ryan Brook	Plantation Tending	85	93	7 929	Brush-rhap	2.6	409 0021 83BH
Little Wapske R.	Plantation Tending	70	67	4 699	Brush-rhap	1.3	509 0006 83BH
SUMMARY		435	$92	$40 204			

LICENSE - RESTIGOUCHE-TOBIQUE

TABLE X-1 - PLANTING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SPECIES	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
L. Main Restigouche	PP	38	184	6 992	bS	2 037	77 000	510 5002 83BP
L. Main Restigouche	PP	3	184	648	bS	2 000	6 000	510 5003 83BP
L. Main Restigouche	PP	10	184	1 748	bS	2 037	20 000	510 5002 83BP
L. Main Restigouche	PP	1	184	162	bS	2 000	2 000	510 5003 83BP
W. Branch Gounamitz	PP	19	184	3 514	bS	2 794	53 000	510 0073 83BP
Restigouche River	PP	15	184	2 481	bS	1 541	23 000	510 0070 83BP
Five Fingers Brook	PP	3	184	524	bS	1 917	6 000	510 0066 83BP
W. Branch Gounamitz	PP	23	184	3 682	bS	2 435	56 000	510 0060 83BP
W. Branch Gounamitz	PP	34	184	5 363	bS	1 950	66 000	510 0078 83BP
W. Branch Gounamitz	PP	25	184	4 655	bS	1 950	49 000	510 0076 83BP
W. Branch Gounamitz	PP	17	184	3 036	bS	2 794	47 000	510 0075 83BP
W. Branch Gounamitz	PP	38	184	6 019	bS	2 172	83 000	510 0056 83BP
W. Branch Gounamitz	PP	7	184	1 325	bS	2 460	17 000	510 0055 83BP
W. Branch Gounamitz	PP	185	184	34 040	bS	2 435	450 000	510 0058 83BP
W. Branch Gounamitz	PP	4	184	736	bS	2 435	9 000	510 0057 83BP
W. Branch Gounamitz	PP		184		bS	2 435		510 0059 83BP
W. Branch Gounamitz	PP		184		bS	2 435		510 0061 83BP
W. Branch Gounamitz	PP	182	184	33 488	bS	2 349	428 000	510 0062 83BP
W. Branch Gounamitz	PP		184		bS	2 349		510 0063 83BP
W. Branch Gounamitz	PP		184		bS	2 349		510 0063 83BP
Little Main Restig.	PP	96	184	17 664	bS	1 740	167 000	510 0067 83BP
Little Main Restig.	PP		184		bS	1 740		510 0068 83BP
Little Main Restig.	PP		184		bS	1 740		510 0069 83BP
Restigouche R.	PP	1	184	184	bS	1 541	2 000	510 0071 83BP
Restigouche R.	PP	14	184	2 576	bS	1 541	22 000	510 0072 83BP

TABLE X-1 - PLANTING (cont'd)

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SPECIES	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
L. Main Restigouche	PP	3	184	648	bS	2 000	6 000	510 5003 83BP
L. Main Restigouche	PP	1	184	162	bS	2 000	2 000	510 5003 83BP
SUMMARY		824	$184	$148 893		2 169	1 787 000	

TABLE X-2 - PRE-COMMERCIAL THINNING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SILVICULTURE TREATMENT NUMBER
Burnt Hill Brook	Pre-commercial	29	478	13 869	510 0027 83BT
Narrows Brook	Pre-commercial	62	506	31 382	510 0028 83BT
N. Br. Gounamitz Bk.	Pre-commercial	35	563	19 693	510 0029 83BT
Tom Pond Bk.	Pre-commercial	136	496	67 465	510 0030 83BT
Bubal Bk.	Pre-commercial	70	567	39 688	510 5001 83BT
SUMMARY		332	$518	$172 097	

TABLE X-3 - PLANTATION TENDING

LOCATION	TYPE	AREA (ha)	SILVICULTURE TREATMENT NUMBER
Lunt's Brook*	Auto-manual	1	510 0003 838C (Experimental)
Lunt's Brook*	Auto-manual	23	510 0005 838C (Experimental)
SUMMARY		24	

* Plantation Tending carried out by DNR

TABLE X-4 - HERBICIDING

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE kg/ha	SILVICULTURE TREATMENT NUMBER
Summit	Plantation Tending	75	73	5 452	Brush-rhap	1.7	510 0078 83BH
Pemouet Br.	Plantation Tending	192	73	13 943	Brush-rhap	1.7	510 0079 83BH
Camp 68	Plantation Tending	277	64	17 818	Brush-rhap	1.2	510 0080 83BH
N. Br. Gounamitz	Plantation Tending	79	63	4 954	Brush-rhap	1.2	510 0081 83BH
Fork Falls Bk.	Plantation Tending	16	209	3 344	Brush-rhap	1.7	510 0082 83BH
MacFarlane	Plantation Tending	53	76	4 023	Brush-rhap	1.7	510 0083 83BH
Halfway Brook	Plantation Tending	92	88	8 128	Brush-rhap	2.1	510 0084 83BH
Forks Branch Bk.	Plantation Tending	59	74	4 393	Brush-rhap	1.7	510 0085 83BH
Caribou Bk.	Plantation Tending	36	70	2 531	Brush-rhap	1.5	510 0086 83BH
Gounamitz R.	Plantation Tending	49	75	3 669	Brush-rhap	1.7	510 0087 83BH
MacFarlane	Plantation Tending	85	86	7 342	Brush-rhap	2.2	510 0088 83BH

TABLE X-4 - HERBICIDING (cont'd)

LOCATION	PURPOSE	AREA (ha)	COST PER HECTARE	TOTAL COST	CHEMICAL	RATE kg/ha	SILVICULTURE TREATMENT NUMBER
Richards Brook (Green R.)	Plantation Tending	180	82	14 740	Brush-rhap	2.0	510 0089 83BH
Big Cedar Bk.	Plantation Tending	289	72	20 915	Brush-rhap	1.7	510 0090 83BH
Fork Falls Bk.	Plantation Tending	193	68	13 032	Brush-rhap	1.7	510 0091 83BH
SUMMARY		$1 675	$74	$124 284			

TABLE X-5 - CONE COLLECTION

LOCATION	SPECIES	VOLUME OF CONES (litres)	COST PER LITRE	TOTAL COST	SILVICULTURE TREATMENT NUMBER
Tom Pond & Wilson Brook	bS	3 040	1.12	3 387	510 0003 83SC
SUMMARY		3 040	$1.12	$3 387	

LICENSE - UNLICENSED CROWN LAND

TABLE XI-1 - PLANTING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSE-MENT TO LICENSEE	SPECIES	AVE. NUMBER OF SEEDLINGS PER HECTARE	TOTAL NUMBER OF SEEDLINGS (to nearest thousand)	SILVICULTURE TREATMENT NUMBER
Canoose	PP	26	184	17 398	jP	2 822	73 000	411 0003 83BP
SUMMARY		26	$184	$17 398		2 808	73 000	

TABLE XI-2 - PRE-COMMERCIAL THINNING

LOCATION	TYPE	AREA (ha)	COST PER HECTARE	REIMBURSEMENT TO LICENSEE	SILVICULTURE TREATMENT NUMBER
Canoose	Stand Improvement	40	861	34 442	411 0001 83BT
SUMMARY		40	$861	$34 442	

TABLE 12
SITE PREPARATION
Hectares by License (1983-84)

LICENSE	C & H PLOW	SHARK FINNED BARRELS	FINNISH PLOW	DISC TRENCHER	BRACKEE	CRUSHER	MARDEN ROLLER	CONTROL BURN	HERBICIDE	TOTAL	%
Upsalquitch	-	451	-	-	60	-	-	-	-	511	6
Nepisiguit	857	26	-	-	-	-	-	-	-	883	10
Lower Miramichi	969	-	-	-	-	-	-	-	-	969	11
Upper Miramichi	741	-	-	-	-	-	-	-	-	741	9
Kent	155	-	-	-	-	-	-	-	-	155	2
Queens-Charlotte	-	641*	-	-	276	-	397	-	-	1 314	15
Fundy	-	725*	-	250	300	-	-	-	-	1 275	15
York	-	799	-	-	-	-	-	-	-	799	9
Carleton	-	527	-	-	-	-	-	-	-	527	6
Restigouche-Tobique	800	-	-	621	-	-	-	50	-	1 471	17
TOTAL	3 522	3 169	-	871	636	-	397	50	-	8 645	100

* also Anchor chains

TABLE 13
SEEDLINGS SHIPPED FOR PLANTING ON CROWN LAND 83-84

LICENSE	NO. OF TREES*	% BR	% CONT	% jP			% bS			% wS			% OTHER		
				BR	CONT	TOTAL	BR	CONT	TOTAL	BR	CONT	TOTAL	BR	CONT	TOTAL
Upsalquitch	2 091	15.9	84.1	-	25.6	25.6	15.9	55.1	71.0	-	-	-	-	3.4	3.4
Nepisiguit	2 666	-	100.0	-	24.3	24.3	-	75.7	75.7	-	-	-	-	-	-
Lower Miramichi	2 447	26.6	73.4	14.3	47.0	61.3	12.3	26.4	38.7	-	-	-	-	-	-
Upper Miramichi	1 982	4.1	95.9	4.1	60.0	64.1	-	30.4	30.4	-	-	-	-	5.5	5.5
Kent	353	-	100.0		36.8	36.8	-	63.2	63.2	-	-	-	-	-	-
Queens-Charlotte+	4 206	23.5	76.5	-	40.0	40.0	23.5	36.5	60.0	-	-	-	-	-	-
Fundy	1 365	36.6	63.4	-	-	-	36.6	63.4	100.0	-	-	-	-	-	-
York	1 322	26.0	74.0	-	49.6	49.6	26.0	24.4	50.4	-	-	-	-	-	-
Carleton	2 912	-	100.0	-	0.4	0.4	-	99.6	99.6	-	-	-	-	-	-
Restigouche-Tobique															
Unlicensed Crown Land	73	-	100.0	-	100.0	100.0	-	-	-	-	-	-	-	-	-
TOTAL	19 417°	14.9	85.1	2.2	31.3	33.5	12.7	52.9	65.6	-	-	-	-	0.9	0.9

* Thousands

\+ Queens-Charlotte and Fundy have been grouped together because the information given about "trees shipped" has been listed by licensee, and Q-C and Fundy are both Irving and there is nothing to determine which is Q-C and which is Fundy.

° There were also 1 595 000 trees shipped for private orders that have not been included in the total.

TABLE 14
SEEDLINGS SHIPPED BY NURSERY FOR PLANTING ON CROWN LAND
Figures in Thousands

NURSERY	jP		bS		TOTALS		BOTH
	BR	CONT	BR	CONT	BR	CONT	
Kingsclear	-	969	987	184	987	1 153	2 140
Madran	-	162	-	-	-	162	162
Kent	-	437	-	1 354	-	1 791	1 791
TOTAL	-	1 568	987	1 538	987	3 106	4 093

TABLE 15

SUMMARY OF REFORESTATION PROJECTS 1962-1983

YEAR	PLANTED TREES*	PLANTED (ha)	SCARIFIED (ha)	CONTROLLED BURN (ha)	THINNED (ha) PRE-COMMERCIAL	THINNED (ha) COMMERCIAL	PLANTATION TENDING (ha)	SEEDED (ha)	CONES (ha)	HERBICIDED (ha)	CUTOVER CLEARED (ha)
1962	16	7	-	-	-	34	-	-	-	-	-
1963	41	33	2	-	3	34	-	-	-	-	-
1964	258	155	Experiments	-	-	233	-	-	-	-	-
1965	279	225	12	-	32	35	-	-	-	2	-
1966	547	223	73	-	35	18	-	-	-	-	-
1967	622	375	478	-	-	-	-	8	-	-	-
1968	1 957	1 120	834	-	-	101	-	2	-	1	-
1969	1 994	1 140	235	-	449	-	-	101	-	61	-
1970	1 983	991	575	-	-	-	-	12	6 500	-	-
1971	2 350	1 630	660	-	-	-	-	49	16 700	1	-
1972	1 356	809	854	-	26	-	-	142	29 100	61	-
1973	1 700	1 010	822	-	-	-	-	121	137 000	-	-
1974	2 684	1 470	2 590	186	324	-	-	384	63 600	162	-
1975	6 310	3 040	5 140	380	336	8	-	125	68 700	109	453
1976	10 515	4 910	6 750	445	546	-	-	550	68 700	777	-
1977	13 906	6 630	8 790	421	380	-	-	393	29 100	652	-
1978	14 420	7 040	9 000	1 170	587	-	-	-	64 700	1 220	1 430
1979	23 220	11 200	10 300	1 530	2 446	-	-	-	5 150	990	490
1980	26 570	10 900	12 100	1 770	2 780	-	-	-	43 600	5 480	1 320
1981	28 610	11 490	11 730	2 500	3 030	-	-	-	14 400	5 480	710
1982	27 160	12 441	10 380	425	3 450	-	400	180	83 830	5 100	40
1983	20 311	9 120	8 645	-	2 406	-	488	-	16 623	5 876	-

* Thousands

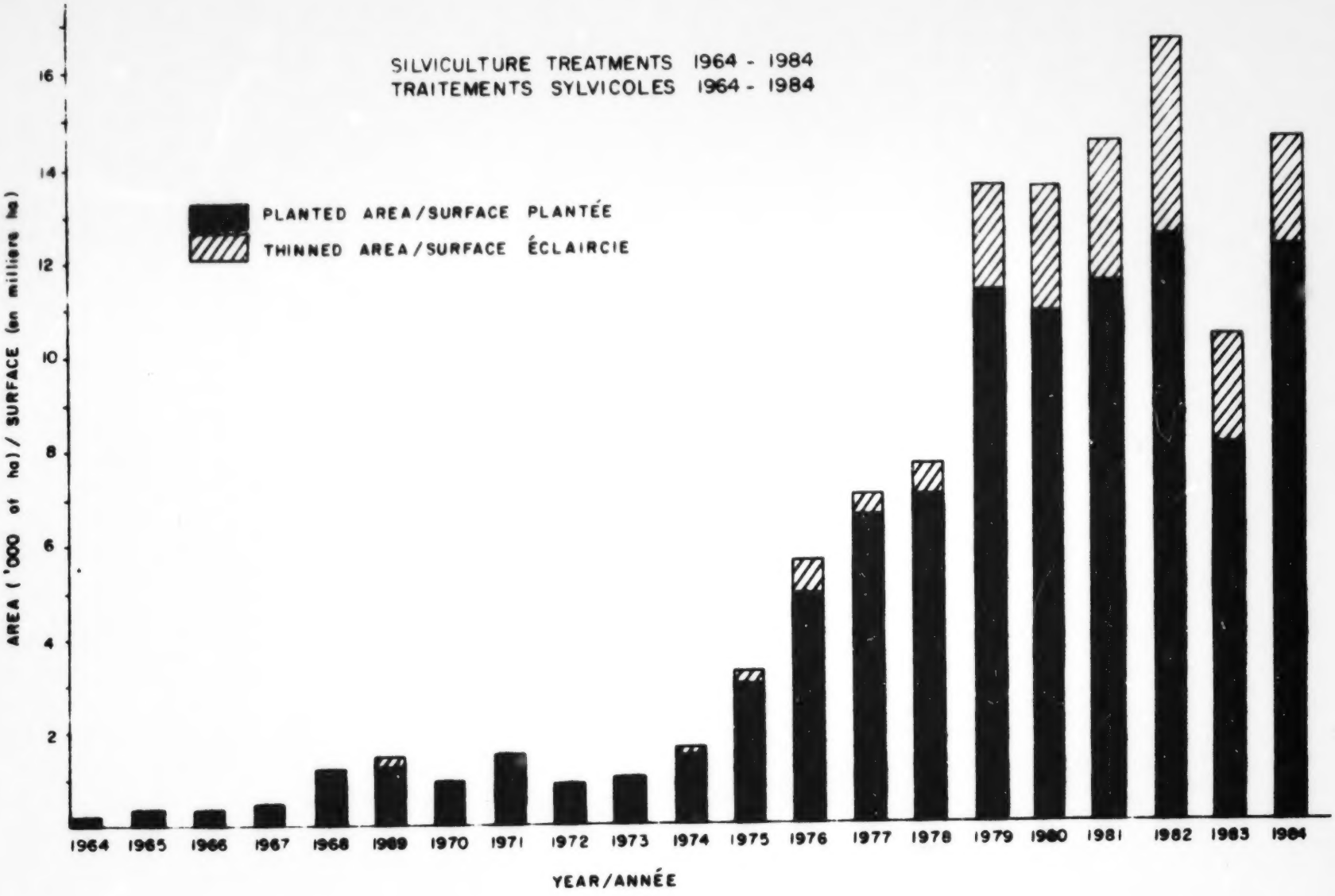

Figure I **Progress of Reforestation on Crown Land in New Brunswick. 1964–1984**

FIGURE 2

LICENSE BOUNDARIES

PROVINCE OF NEW BRUNSWICK

LIGNES DE DÉMARCATION DES CONCESSIONS

PROVINCE DU NOVEAU-BRUNSWICK